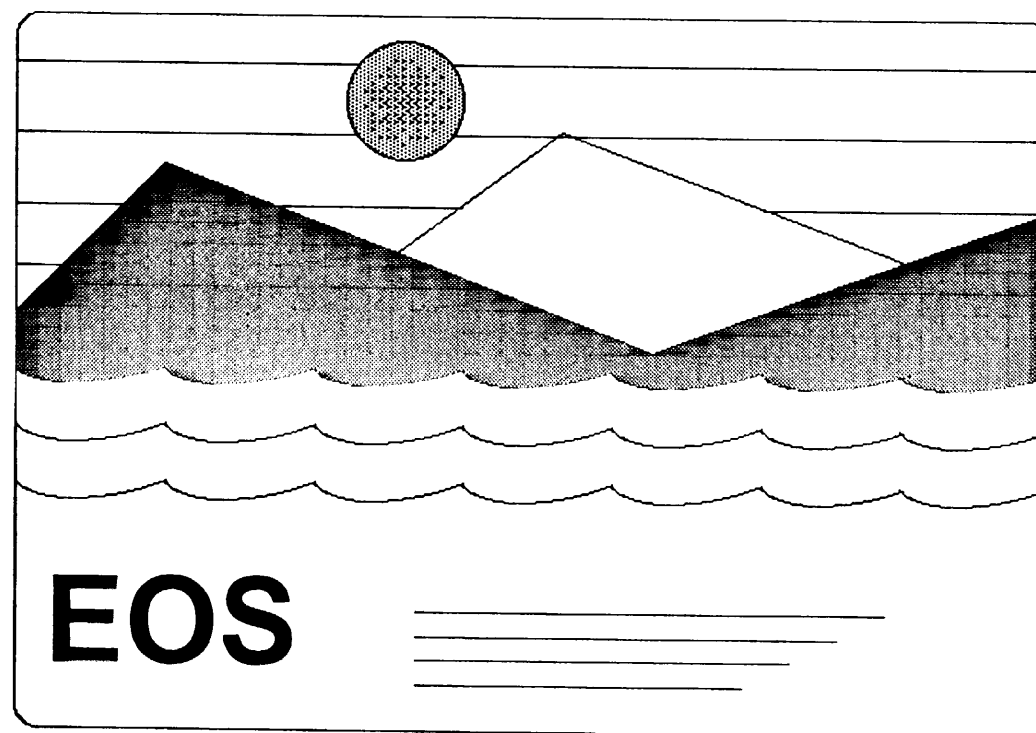


MONTHLY PROGRAM STATUS REVIEW
EOS LASER ALTIMETRY MISSION (LAM) OFFICE
CODE 401.6
UPN 227 & 229 (LAM ONLY)



DECEMBER 4, 1997

DIRECTORATE: 400

TEAM MANAGER'S ASSESSMENT

PROJECT: LAM OFFICE

NOVEMBER 28, 1997

- LAM STATUS IS EXCELLENT!
 - TECHNICAL ISSUES UNDER CONTROL AND PROGRESSING WELL.
 - GLAS MANAGERS REQUESTING DOCUMENTATION OF FORWARD FUNDING AGREEMENT FOR ACCELERATED INSTRUMENT DEVELOPMENT IN FY 1998.

LASER ALTIMETRY MISSION SUMMARY

STATUS AS OF: NOVEMBER 28, 1997

TECHNICAL

	SEP	OCT	NOV
GLAS INSTRUMENT DEVELOPMENT	G	G	G
GLAS SCIENCE DEVELOPMENT	G	G	G
SPACECRAFT BUS	G	G	G
LAUNCH VEHICLE	G	G	Y
MISSION OPERATIONS	G	G	G

LASER ALTIMETRY BUSINESS

	SEP	OCT	NOV
COST	G	G	G
SCHEDULE	G	G	G
PROCUREMENT	G	G	G
WORK FORCE	G	G	G
TRAVEL	G	G	G

LASER ALTIMETRY RESOURCES

	SEP	OCT	NOV
MASS	G	G	G
POWER	G	G	G
DATA RATE	G	G	G

	SEP	OCT	NOV
DATA STORAGE	G	G	G
FUEL	G	G	G

ASSESSMENT SUMMARY

	<u>TECHNICAL</u>	<u>COST</u>	<u>SCHEDULE</u>	<u>OVERALL</u>
<u>S/C</u>	G	G	G	G
<u>INSTRUMENTS</u>	G	G	G	G

LEGEND

G	GOOD SHAPE
Y	MINOR PROBLEM
R	MAJOR PROBLEM

ISSUE TITLE: LAUNCH VEHICLE
PROJECT: LAM OFFICE

NOVEMBER 28, 1997

PROBLEM / ISSUES	PROGRAMMATIC IMPACT	ACTION	DATE	
			ESTAB.	COMPL.
<div>Y</div> <u>MISSION LAUNCH CAPABILITY IS EITHER NOT IN PRODUCTION OR IS NOT ON THE NASA ELV CONTRACT.</u>	<u>IF DEFINITE LAUNCH CAPABILITY IS NOT IDENTIFIED BY 4/98, MISSION SCHEDULE AND COST WILL BE AFFECTED.</u>	<u>1) NASA INITIATE SELV-II PROCUREMENT ASAP.</u> <u>2) OBTAIN NASA COMMITMENT FOR A PARTICULAR LAUNCH VEHICLE FOR THE INTERIM.</u>	12/97	4/98

CURRENT STATUS

- INITIAL DISCUSSIONS WITH OLS INDICATE THAT TAURUS XL ELV MAY NOT BE PRODUCED UNDER SELV-I. ADDITIONALLY, THE SELV-II PROCUREMENT IS ON HOLD PENDING RELOCATION OF ELV ACQUISITION MANAGEMENT TO KSC.
- THE LAM RFO REQUIRES OFFERORS TO PROVIDE A BUS PRICE TO FLY ON THE TAURUS XL AND THE LMLV II VEHICLES. HOWEVER, THE FIXED-PRICE BUS CONTRACT MUST HAVE A LAUNCH VEHICLE DECISION FROM NASA SOON AFTER CONTRACT AWARD, OR COST PENALTIES WILL BE INCURRED.

LASER ALTIMETRY MISSION TOP TEN PROBLEMS

AS OF NOVEMBER 28, 1997

PROBLEM/ISSUES	PROGRAMMATIC IMPACT	ACTION	STATUS
NONE YET!			

DIRECTORATE: 400

SIGNIFICANT PROGRESS

PROJECT: LAM OFFICE

NOVEMBER 28, 1997

- LAM RFO RELEASED TO RSD CONTRACTORS. BIDS TO BE RECEIVED BY DECEMBER 16TH.
- LaRC INDEPENDENT REVIEW TEAM PERSONNEL WILL ATTEND THE GLAS INSTRUMENT PDR, NOW SCHEDULED FOR JANUARY 12 - 14, 1998, AT GSFC

LASER ALTIMETRY MISSION MASTER SCHEDULE

ORIG APPROVAL: 3/31/97

STATUS AS OF : 11/28/97

[illegible]

LASER ALTIMETRY MISSION 9-MONTH SCHEDULE OF SIGNIFICANT EVENTS

STATUS AS OF : 11/28/97

EVENTS		FY 1997		FY 1998							
		4th Qtr	1st Quarter				2nd Quarter			3rd Quarter	
		SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	
1	INSTRUMENT SUBSYS TRADES			▽	▽	▽	PDR 1/12-14				
2	PROTOTYPE PMT DETECTOR BUY	▽	9/30								
3	SELECT DIGITIZER APPROACH	▽	9/30								
4	LAM RFO DRAFT S/C SOW	▽	10/18								
5	GLAS DELTA SRR	▽	9/04								
6	DRAFT LAM S/C RFO RELEASE	▽	▽	10/22							
7	MECHANISMS BB ASSY & TEST	▽			▽	12/15					
8	TELESCOPE FAB START		▽	10/08							
9	TEST "LOOP HEAT PIPE" DEL		▽	10/10							
10	T-SCOPE STRUC'L BB ANALYSIS CMPL		▽	10/25							
11	GLAS INSTRUMENT PDR			▽	▽	1/12-14					
12	FORMAL LAM S/C RFO RELEASE (1)		11/12	▽	▽						
13	LAM S/C OFFERS DELIVERED				▽	12/16					
14	LAM S/C DEL ORDER SELECTION					1/23	▽				
15	LAM S/C DEL ORDER AWARD						▽	2/06			
16	C/D SCI PROP RCVD & CONTR AWD						▽	1/31		▽	5/01
17	LAM INDEPENDENT REVIEW								▽	4/10	
18	LASER BB ASSY & TEST			12/02	▽			▽	2/27		
19	HOP TEST BED ASSY & TEST			12/05	▽			▽	2/20		
20	MACHINE FLIGHT TELESCOPE				12/20	▽					

NOTES: (1) BUS PROCUREMENT CLOCK STARTS

▲
TIME NOW

LASER ALTIMETRY MISSION (LAM) ACRONYMS

ASSY	ASSEMBLY
ATBD	ALGORITHM THEORETICAL BASIS DOCUMENT
AWD	AWARD
BB	BREADBOARD
CDR	CRITICAL DESIGN REVIEW
CDRL	CONTRACT DELIVERABLE REQUIREMENTS LIST
CMPL	COMPLETE
C/O	CARRYOVER
CUM	CUMULATIVE
DEL	DELIVERY
DOC'N	DOCUMENTATION
ELV	EXPENDABLE LAUNCH VEHICLE
EM	ENGINEERING MODEL
EXEC	EXECUTION
FAB	FABRICATION
FCA	FULL COST ACCOUNTING
GLAS	GEOSCIENCE LASER ALTIMETER SYSTEM
I & T	INTEGRATION AND TEST
IDIQ	INDEFINITE DELIVERY, INDEFINITE QUANTITY
IMDC	INTEGRATED MISSION DESIGN CENTER
IR	INDEPENDENT REVIEW
KSC	KENNEDY SPACE CENTER

LASER ALTIMETRY MISSION (LAM) ACRONYMS (CONT.)

LAM	LASER ALTIMETRY MISSION
LaRC	LANGLEY RESEARCH CENTER
LMLV	LOCKHEED-MARTIN LAUNCH VEHICLE
LRD	LAUNCH READINESS DATE
MDR	MISSION DESIGN REVIEW
MGR	MANAGER
MSI & T	MISSION SYSTEM I & T
NOA	NEW OBLIGATION AUTHORITY
OLS	ORBITAL LAUNCH SERVICES
PDR	PRELIMINARY DESIGN REVIEW
PER	PRE-ENVIRONMENTAL REVIEW
PFM	PROTOFLIGHT MODEL
PMT	PHOTO MULTIPLIER TUBE
POP	PROGRAM OPERATING PLAN
PSR	PRE-SHIP REVIEW
REL	RELEASE
RFO	REQUEST FOR OFFER
RFP	REQUEST FOR PROPOSAL
ROB	REASSIGNMENT OPPORTUNITY BULLETIN
RQMTS	REQUIREMENTS
RSD	RAPID SPACECRAFT DEVELOPMENT
RSDO	RAPID SPACECRAFT DEVELOPMENT OFFICE

LASER ALTIMETRY MISSION (LAM) ACRONYMS (CONT.)

SAR	SYSTEM ARCHITECTURE REVIEW
S/C	SPACECRAFT
SCF	SCIENCE COMPUTING FACILITY
SCI	SCIENCE
SRS	STELLAR REFERENCE SYSTEM
SEL	SELECTION
SELV	SMALL ELV
SOW	STATEMENT OF WORK
SRR	SYSTEM REQUIREMENTS REVIEW
S/S	SUBSYSTEM
STAAC	SPACE TECHNOLOGY AND ADVANCED CONCEPTS
SUBSYS	SUBSYSTEM
SYS	SYSTEM
V.	VERSION